ELEC	CTRICAL LEGEND - ONE-LINE DIAGRAM						
	CABLE TERMINATOR/LUG						
***	TRANSFORMER						
_\_	DISCONNECT SWITCH						
-\-	FUSIBLE DISCONNECT SWITCH						
	CIRCUIT BREAKER						
-^-	THERMAL MAGNETIC CIRCUIT BREAKER						
	FUSE						
<b>↓</b> ‡	TRANSIENT VOLTAGE SURGE SUPPRESSOR OR SURGE PROTECTOR DEVICE						
#	GROUND — GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL						
a	INDICATING LIGHT						
W	MOTOR						
<b>①</b>	LOAD, MOTOR, # = HORSEPOWER						
0	ELECTRIC UTILITY METER BASE						
	JUNCTION BOX WITH SPLICE						
XXX	EQUIPMENT, XXX = DEVICE DESCRIPTION						
GND	GROUND BUS OR TERMINAL						
S/N	NEUTRAL BUS						
	PANELBOARD WITH MAIN LUGS						
<b>1</b>	PANELBOARD WITH MAIN BREAKER						
	Fuse panel with main fuse pullout						
	DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE						
	CONTROL STATION						
N EM	Transfer switch						
	Engine generator set						

	ELECTRICAL LEGEND — SCHEMATIC				
	NORMALLY OPEN (N.O.) CONTACT				
- <del></del>	NORMALLY CLOSED (N.C.) CONTACT				
(6)	STARTER COIL, * = STARTER NUMBER				
- <b>1</b> k-	OVERLOAD RELAY CONTACT				
(RP)	CONTROL RELAY, * = CONTROL RELAY NUMBER				
<b>₽</b>	RELAY, * = RELAY NUMBER				
, ,	TOGGLE SWITCH / 2 POSITION SWITCH				
OFF AUTO	2—Position Selector Switch				
HAND T AUTO	3—Position selector switch (H-O-A Shown)				
	2 POLE DISCONNECT SWITCH				
1	3 POLE DISCONNECT SWITCH				
- <del></del>	PHOTOCELL				
-0-	TERMINAL BLOCK, * = TERMINAL NUMBER				
	DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER				
***************************************	INTERNAL PANEL WIRING				
	FIELD WIRING				
	TIED WINTE				
	FUSE				
GND					
	FUSE				
GND	FUSE GROUND BUS OR TERMINAL				
GND S/N	FUSE GROUND BUS OR TERMINAL NEUTRAL BUS				
CND	FUSE  GROUND BUS OR TERMINAL  NEUTRAL BUS  GROUND, GROUND ROO, GROUND BUS				
CND	FUSE  GROUND BUS OR TERMINAL  NEUTRAL BUS  GROUND, GROUND ROO, GROUND BUS  INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR				
CND	FUSE  GROUND BUS OR TERMINAL  NEUTRAL BUS  GROUND, GROUND ROO, GROUND BUS  INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR  S1 CUTOUT HANDLE REMOVED				
CND	FUSE  GROUND BUS OR TERMINAL.  NEUTRAL BUS  GROUND, GROUND ROD, GROUND BUS  INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR  S1 CUTOUT HANDLE REMOVED  S1 CUTOUT HANDLE INSERTED				

A.F.F.	ELECTRICAL ABBREVIATIONS  ABOVE FINSHED FLOOR				
A, AMP	AMPERES				
ATS	AUTOMATIC TRANSFER SWITCH				
	AMERICAN WIRE GAUGE				
AWG					
BKR	BREAKER				
- c	CONDUIT				
CB	CIRCUIT BREAKER				
СКТ	CIRCUIT				
CR	CONTROL RELAY				
CU	COPPER				
DPDT	DOUBLE POLE DOUBLE THROW				
DPST	DOUBLE POLE SINGLE THROW				
EM	EMERGENCY				
EMT	ELECTRICAL METALLIC TUBING				
ENCL	ENCLOSURE				
EP	EXPLOSION PROOF				
ES	EMERGENCY STOP				
ETL	Intertek Electrical Testing LABS				
ETM	ELAPSE TIME METER				
GFCI	GROUND FAULT CIRCUIT INTERRUPTER				
GFI	GROUND FAULT INTERRUPTER				
GND	GROUND				
GRSC	GALVANIZED RIGID STEEL CONDUIT				
HID	HIGH INTENSITY DISCHARGE				
HOA	HAND OFF AUTOMATIC				
HP	HORSEPOWER				
HPS	HIGH PRESSURE SODIUM				
J	JUNCTION BOX				
KVA	KILOVOLT AMPERE(S)				
KW	KILOWATTS				
LC	LIGHTING CONTACTOR				
LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED)				
LTG	LIGHTING				
LP	LIGHTING PANEL				
MAX	MAXIMUM				
MCB	MAIN CIRCUIT BREAKER				
MCM	THOUSAND CIRCLUAR MIL				
MDP	MAIN DISTRIBUTION PANEL				
MFR	MANUFACTURER				
MH	METAL HALIDE				
MIN	MINIMUM				
MLO	MAIN LUGS ONLY				
NEC	NATIONAL ELECTRICAL CODE (NFPA 70)				
NC	NORMALLY CLOSED				
NO	NORMALLY OPEN				
	NOT TO COALE				
NTS	NOT TO SCALE				
NTS OHE	OVERHEAD ELECTRIC				

ELJ	ECTRICAL ABBREVIATIONS (CONTINUED)						
PB	PULL BOX						
PC	PHOTO CELL						
PDB	POWER DISTRIBUTION BLOCK						
PNL	PANEL						
RCPT	RECEPTACLE						
R	RELAY						
s	STARTER						
SPD	SURGE PROTECTION DEVICE						
SPST	SINGLE POLE SINGLE THROW						
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR						
TYP	TYPICAL						
UG	UNDERGROUND						
UGE	UNDERGROUND ELECTRIC						
UL	UNDERWRITER'S LABORATORIES						
٧	VOLTS						
W/	WITH						
w/o	without						
WP	WEATHER PROOF						
XFER	TRANSFER						
XFMR	TRANSFORMER						

WP	WEATHER PROOF						
XFER	Transfer						
XFMR	TRANSFORMER						
AIRPORT EQUIPMENT/FACILITY ABBREVIATIONS							
ASOS	AUTOMATED SURFACE OBSERVING SYSTEM						
ATCT	AIR TRAFFIC CONTROL TOWER						
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM						
CCR	CONSTANT CURRENT REGULATOR						
DME	DISTANCE MEASURING EQUIPMENT						
FAR	FEDERAL AVIATION REGULATION						
GS	GLIDE SLOPE FACILITY						
HIRL	HIGH INTENSITY RUNWAY LIGHT						
ils	INSTRUMENT LANDING SYSTEM						
IM	INNER MARKER						
UR	LOW IMPACT—RESISTANT						
roc	LOCALIZER FACILITY						
MALS	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM						
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH RUNWAY ALIGNMENT INDICATING LIGHTS						
MIRL	MEDIUM INTENSITY RUNWAY LIGHT						
MITL	MEDIUM INTENSITY TAXIWAY LIGHT						
NDB	NON-DIRECTIONAL BEACON						
PAPI	PRECISION APPROACH PATH INDICATOR						
PLASI	PULSE LIGHT APPROACH SLOPE INDICATOR						
RAIL	RUNWAY ALIGNMENT INDICATING LIGHTS						
REIL	RUNWAY END IDENTIFIER LIGHT						
RVR	RUNWAY VISUAL RANGE						
VADI	VISUAL APPROACH DESCENT INDICATOR						
VASI	VISUAL APPROACH SLOPE INDICATOR						
VOR	VERY HIGH FREQUENCY OMNIDIRECTIONAL RANGE FACILITY						
wc	WIND CONE						

## NOTES:

 ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 — NATIONAL ELECTRICAL CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.

- CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE RESPECTIVE FACILITY OWNER PERSONNEL AND THE AIRPORT MANAGER.
- 3. COLOR CODE PHASE AND NEUTRAL CONDUCTOR INSULATION FOR NO. 6 AWG OR SMALLER. PROVIDE COLORED INSULATION OR COLORED MARKING TAPE FOR PHASE AND NEUTRAL CONDUCTORS FOR NO. 4 AWG AND LARGER. INSULATED GROUND CONDUCTORS SHALL HAVE GREEN COLORED INSULATION FOR ALL CONDUCTOR AWG AND/OR KCMIL TO COMPLY WITH NEC 250.119. NEUTRAL CONDUCTORS SHALL HAVE WHITE COLORED INSULATION FOR NO. 6 AWG AND SMALLER TO MEET THE REQUIREMENTS OF NEC 200.6. STANDARD COLORS FOR POWER WIRING AND BRANCH CIRCUITS SHALL BE AS FOLLOWS:

120/240 VAC, 1 PHASE, 3 WIRE PHASE A BLACK PHASE B RED NEUTRAL WHITE GROUND GREEN

- 4. SEE RESPECTIVE SITE PLANS FOR SITE LEGEND INFORMATION.
- 5. LITIMO DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED, SUNLIGHT RESISTANT, & SUITABLE FOR GROUNDING. LIQUID TIGHT FLEXIBLE METAL CONDUIT AND ASSOCIATED FITTINGS SHALL BE U.L. LISTED TO MEET THE REQUIREMENTS OF NEC 350.6. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60. EXTERNAL BONDING JUMPERS USED WITH CCR INSTALLATIONS SHALL BE #6 AWG COPPER (MINIMUM).
  DO NOT INSTALL LIFMC THAT IS NOT UL LISTED.

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MACOMB MUNICIPAL AIRPORT MACOMB, ILLINOIS

HANSON

CONSTRUCT RAMP EXPANSION

21 of 32 sheets

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